(r*o TT\ C02+^-~J, and thus
(QK-Q__zL*7\ 0-8+ 0)=60-5. ^ /
Herefrom one derives the composition of technically pro duced steam-air gas as
C02 . .0*8 cubic metre or 0*8 per cent. CO2
CO .... 35-3 „ „ 34-8 „ CO
H .... 4-7 „ „ 4-6 „ H
N . 60-5 _____ „ 59-8 N
ft
101*3 cubic metres. 100 per cent.
with a combustible value of 1,186 calories per cubic metre with a gas volume of 5*28 cubic metres per kilogramme C, and a combustible value of the gas from 1 kilogramme C of, roundly, 6,200 calories. The composition for 1 kilogramme C calculates out at
C02 . . 0*04 cubic metre (1*86 cubic metre C-containing
CO . .1-82 „ j gas
H . . 0-24
N . . 3-13 _____
5'23 cubic metres gas . , , (22).
Owing to the inconsiderable COz formation, there will occur an increase of the reaction temperature, which will admit of slightly increased formation of H. This circumstance is negligible owing to its small utility.